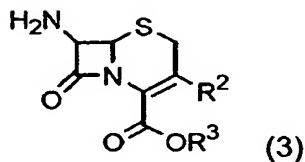
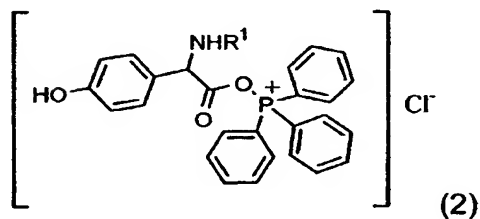
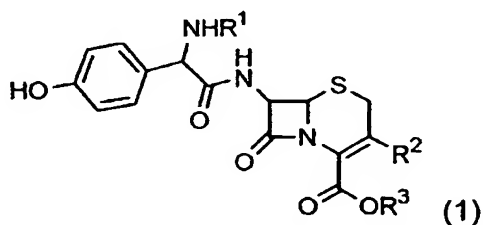


CLAIMS

1. A process for preparing a compound represented by the following formula 1 or its salt, which comprises reacting a compound represented by the following formula 2 with a compound represented by the following formula 3 in the presence of a base:



wherein R¹ is a hydrogen or an amino protecting group, R² is methyl, propen-1-yl, or 1H-1,2,3-triazole-4-yl-thiomethyl, and R³ is a hydrogen or a carboxyl protecting group.

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2. The process of claim 1, wherein the compound of the formula 2 is an anhydride form.

3. The process of claim 1, wherein the compound of the formula 2 reacts with the compound of the formula 3 at an equivalent ratio of 1.1-1.5 to 1.

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4. The process of claim 1, wherein the compound of the formula 2 reacts with the compound of the formula 3 in a mixed solvent of water with an organic solvent

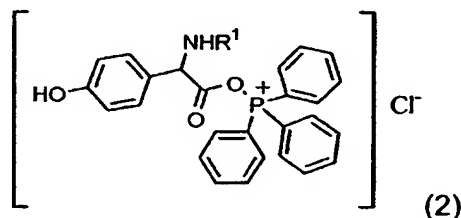
selected from the group consisting of dimethylsulfoxide, dimethylformamide, dimethylacetamide, 1,4-dioxane, acetonitrile, dichloromethane, and a mixture thereof.

5 5. The process of claim 4, wherein in the mixed solvent, water is used in an amount of 0.05 to 0.3 parts by weight, based on 1 part by weight of the organic solvent.

6. The process of claim 1, wherein the base is selected from the group consisting of N-methylmorpholine, triethylamine, diethylamine, n-tributylamine, N,N-dimethylaniline, and pyridine.

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7. A compound represented by the following formula 2:



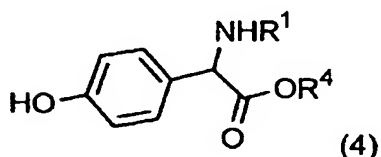
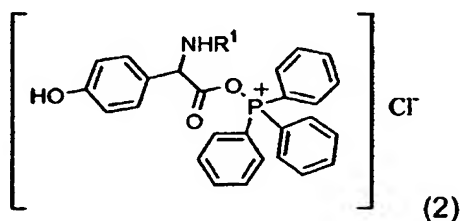
wherein R¹ is a hydrogen or an amino protecting group.

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8. The compound of claim 7, which is an anhydride form.

9. A process for preparing a compound represented by the following formula 2, which comprises reacting a compound represented by the following formula 4 with dichlorotriphenylphosphorane in the presence of a base:

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wherein R^1 is a hydrogen or an amino protecting group, and R^4 is hydrogen, sodium, or potassium.

10. The process of claim 9, wherein the compound of the formula 4 reacts
5 with dichlorotriphenylphosphorane at an equivalent ratio of 1 to 1.1-1.5.

11. The process of claim 9, wherein the compound of the formula 4 reacts
with dichlorotriphenylphosphorane in an organic solvent selected from the group
consisting of dichloromethane, acetonitrile, tetrahydrofuran, and a mixture thereof.

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12. The process of claim 9, wherein the base is selected from the group
consisting of triethylamine, diethylamine, n-tributylamine, N,N-dimethylaniline, and
pyridine.

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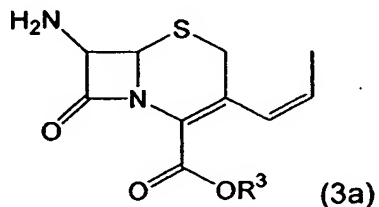
13. The process of claim 9, wherein dichlorotriphenylphosphorane is obtained
by reaction between triphenylphosphine and hexachloroethane.

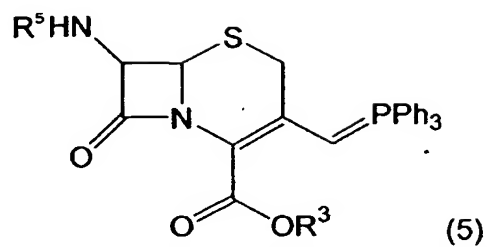
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14. The process of claim 13, wherein the reaction of triphenylphosphine and
hexachloroethane and the reaction of the compound of the formula 4 and
dichlorotriphenylphosphorane in the presence of a base are performed by one-pot
reaction.

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15. A process for stereospecifically preparing a compound represented by the
following formula 3a, which comprises a compound represented by the following
formula 5 with acetaldehyde in a mixed solvent comprising water, isopropanol, and
methylenechloride in a volume ratio of 1:3-6:11-14 in the presence of a base:





wherein R^3 is a hydrogen or a carboxyl protecting group, and R^5 is a hydrogen or an amino protecting group.

- 5 16. The process of claim 15, wherein in the mixed solvent, water, isopropanol, and methylenechloride have a volume ratio of 1:4:12.